

| REVISIONS    |    |      |          |
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| DESCRIPTIONS | BY | DATE | APPROVED |
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## GENERAL CONCRETE NOTES

1. CONCRETE: SLUMP TO BE 3" MIN., 4" MAX.
  - A. CLASS A: PORTLAND CEMENT CONCRETE, 6 SACK CRUSHED AGG. 3/4", 3000 PSI FOR COMMERCIAL DRIVEWAYS, CROSS-GUTTERS, SPANDRELS, ALLEYS AND ALLEY APPROACHES, MULTI-UNIT RESIDENTIAL AND ALL STRUCTURAL.
  - B. CLASS B: PORTLAND CEMENT CONCRETE, 5 SACK CRUSHED AGG. 3/4", 2500 PSI FOR CURB, GUTTER AND SIDEWALK, RESIDENTIAL DRIVEWAYS AND HANDICAP RAMPS.
  
2. EXPANSION JOINTS:
  - A. 1/2" EXPANSION JOINTS WITH 1/2" EXPANSION JOINT MATERIAL SHALL BE CONSTRUCTED AT 40' INTERVALS, AT THE END OF CURB RETURNS, AT EACH END OF GUTTER TRANSITIONS, AT STORM DRAIN INLETS, AND AT EACH SIDE OF DRIVEWAY DEPRESSIONS. ON HAND PLACED CURB AND GUTTER, THE JOINTS SHALL BE NO MORE THAN AT 20' INTERVALS.
  - B. EXPANSION MATERIAL SHALL BE EXTENDED THE ENTIRE WIDTH AND DEPTH OF THE CONCRETE.
  - C. SPACING OF SCORES AND JOINTS SHALL MATCH THE PATTERN OF THE EXISTING IMPROVEMENTS WHERE NECESSARY.
  - D. JOINTS SHALL BE AT RIGHT ANGLES TO THE CURB LINE AND SHALL HAVE JOINT FILLER SHAPED TO THE CROSS-SECTION OF THE CURB.
  - E. TWO 1/2" DIAMETER SMOOTH DOWELS, 24" LONG (36" LONG AT CROSS GUTTERS) AND 24" O.C., SHALL BE USED AT ALL EXPANSION JOINTS.
  - F. WHERE THE INTERVALS EXCEED THE ABOVE, THE JOINTS SHALL BE PLACED AT HALF THE INTERVAL.
  - G. SIDEWALK EXPANSION JOINTS SHALL BE AT 20FT. (6.1m) INTERVALS AND MATCHED WITH THE CURB AND GUTTER EXPANSION JOINTS.
  
3. CONSTRUCTION JOINTS (DEEP JOINTS: (CURB & GUTTER))
  - A. DEPTH SHALL BE A MINIMUM OF 1/8 THE CONCRETE THICKNESS.
  - B. WIDTH SHALL BE A MINIMUM OF 1/8".
  - C. SPACE AT NO MORE THAN 10' INTERVALS.

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| DRAWN BY:<br>C.A.C.        | CITY OF PASO ROBLES<br>ENGINEERING DIVISION | DRAWING NO. |
| DESIGNED BY:               |   |             |
| DATE:<br>4/18/94           | CONCRETE NOTES                              | B-16.1      |
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